

Appl. No. 10/065,768
Amdt. dated May 19, 2005
Reply to Office action of February 23, 2005

Amendments to the Drawings

Figures 2A-4C are now designated with a legend clearly indicating that these figures are prior
5 art figures. NO new matter is introduced. Each of the replacement sheets have been labeled in
the header area as "Replacement Sheet" as per your request so as not to obstruct any portion
of the drawing figures.

Attachment:

10 Drawings : Replacement Sheets 6 pages

Appl. No. 10/065,768
Amdt. dated May 19, 2005
Reply to Office action of February 23, 2005

REMARKS/ARGUMENTS

Amendments to the specification:

5 The non-descriptive title has been adjusted as per your request. The original title, "Method for Managing Data on an Optical Disc" is now more descriptively prosed as, "METHOD OF COMBINING NEWLY ESTABLISHED ENTRIES WITH ORIGINAL ENTRIES FOR UPDATING A DEFECT TABLE WHEN AN OPTICAL DISC DRIVE STOPS WRITING DATA INTO AN OPTICAL DISC". No new matter is introduced.

10

 The typographical errors and grammatical errors in the specification have been corrected. No new matter is introduced.

15 Claim Objections:

 Claim 5 is objected to because of the informalities.

Response:

20

 Claim 5 is amended to clearly describe insertion of the entries. The informalities have been removed. The amended claim 5 is fully supported by Fig.7D and Fig.7E. No new matter is introduced.

25 Claim Rejections:

Claim 2

Appl. No. 10/065,768
Amdt. dated May 19, 2005
Reply to Office action of February 23, 2005

Claim 2 is rejected under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

5

Response:

Claim 2 has been amended to particularly point out and distinctly claim the subject matter that applicants regard as the invention. No new matter is introduced.

10

Claims 1-3 & 5-8

Claims 1-3 & 5-8 are rejected under 35 USC 102(a) as being anticipated by the applicants' admitted prior art.

15

Response:

20

Claim 1 is amended to include "during a data write-in operation, preserving an initial order of the first memory areas in the memory when the address of the first data block is stored into the second memory area". The amendment is fully supported by specification paragraph [0044]. No new matter is introduced.

25

According to the applicants' admitted prior art (paragraph[0024]), it is clear the admitted prior art re-shuffles the existing used entries in the defect table during the optical disc

Appl. No. 10/065,768
Amdt. dated May 19, 2005
Reply to Office action of February 23, 2005

write-in operation. Therefore, the initial order of entries in the defect table is modified due to the sorting of the entries performed before the optical disc drive stops writing data into the optical disc. In short, the applicants' admitted prior art fails to teach or suggest the claimed feature: "during a data write-in operation, preserving an initial order
5 of the first memory areas in the memory when the address of the first data block is stored into the second memory area".

The amended claim 1 overcomes the rejection under 35 USC 102(a) in view of applicants' admitted prior art. Claims 2-8 are dependent on amended claim 1, and should
10 be allowable if amended claim 1 is found allowable.

Claims 1-6, 8, 9 & 11

15 Claims 1-6 8, 9 & 11 are rejected under 35 USC 102(b) as being anticipated by Bish et al. (US 5,235,585)

Response:

20 Claim 1 is amended to include "during a data write-in operation, preserving an initial order of the first memory areas in the memory when the address of the first data block is stored into the second memory area". However, Bish et al. teaches sorting the entries of the defect table each time a new entry is added (column 6, lines 27-30; column 10, lines 57-60). In other words, Bish et al. discloses sorting the entries of the defect table during a
25 data write-in operation. Therefore, Bish et al. fails to teach or suggest the claimed feature: "during a data write-in operation, preserving an initial order of the first memory areas in the memory when the address of the first data block is stored into the second memory

Appl. No. 10/065,768
Amdt. dated May 19, 2005
Reply to Office action of February 23, 2005

area”.

The amended claim 1 overcomes the rejection under 35 USC 102(a) in view of teachings of Bish et al. Claims 2-8 are dependent on amended claim 1, and should be allowable if
5 amended claim 1 is found allowable.

Claim 9 is amended. The amendment is fully supported by specification paragraph [0044].
No new matter is introduced.

10 As mentioned above, Bish et al. discloses sorting the entries of the defect table during a data write-in operation. Therefore, Bish et al. fails to teach or suggest the claimed feature:
“when the optical disc drive stops writing data onto the optical disc, sorting the addresses both of the first data block and the second data block according to the sorting order of the defect table stored in the first memory area, and updating the defect table according to the
15 sorted address stored in the memory”.

The amended claim 9 overcomes the rejection under 35 USC 102(a) in view of teachings of Bish et al. Claims 10 is dependent on amended claim 9, and should be allowable if
amended claim 9 is found allowable.

20

Claim 11 is amended. The amendment is fully supported by specification paragraph [0044].
No new matter is introduced.

As mentioned above, Bish et al. discloses sorting the entries of the defect table during a
25 data write-in operation. Therefore, Bish et al. fails to teach or suggest the claimed feature:
“when the optical disc drive stops writing data onto the optical disc, combining the addresses of the defect table stored in the first memory area with the addresses stored in

Appl. No. 10/065,768
Amdt. dated May 19, 2005
Reply to Office action of February 23, 2005

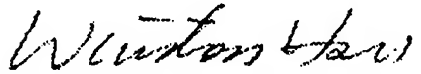
the second memory area so as to update the defect table, and writing the updated defect table in the optical disc".

The amended claim 11 overcomes the rejection under 35 USC 102(a) in view of teachings
5 of Bish et al. Claims 12 is dependent on amended claim 11, and should be allowable if
amended claim 11 is found allowable.

Applicants respectfully request that a timely Notice of Allowance be issued in this case.

10

Sincerely yours,



Date: May 19, 2005

Winston Hsu, Patent Agent No. 41,526

15 P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

20 Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C.
is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)